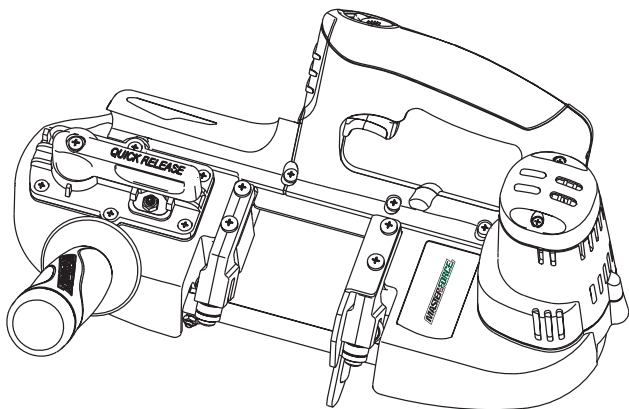




Operator's Manual

18 Volt Lithium-Ion Portable Band Saw

Model No. 241-0440



IMPORTANT :

⚠ WARNING! To reduce the risk of injury, user must read instruction manual.

⚠ Safety symbols in this manual are used to flag possible dangers. The safety symbols and their explanations require your full understanding. The safety warnings do not, by themselves, eliminate any danger, nor are they substitute for proper accident prevention measures.

⚠ This Safety Alert Symbol indicates caution, warning, or danger. Failure to obey a safety warning can result in serious injury to yourself or others. To reduce the risk of injury, fire, or electric shock, always follow the safety precautions..

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INTRODUCTION



SAVE THESE INSTRUCTIONS!


This saw has many features for making its use more pleasant and enjoyable. Safety, performance, and dependability have been given top priority in the design of this product, making it easy to maintain and operate.

SAFETY SYMBOLS


The purpose of safety symbols is to attract your attention to possible dangers. The safety symbols and the explanations with them deserve your careful attention and understanding. The symbol warnings do not, by themselves, eliminate any danger. The instructions and warning they give are no substitutes for proper accident prevention measures.

 **WARNING!** Be sure to read and understand all safety instructions in this manual, including all safety alert symbols such as **“DANGER,” “WARNING,”** and **“CAUTION”** before using this tool. Failure to following all instructions listed below may result in electric shock, fire, and/or serious personal injury.

SYMBOL	SIGNAL	MEANING
	DANGER:	Indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury.
	WARNING:	Indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.


	CAUTION:	Indicates a potentially hazardous situation, which, if not avoided, could result in minor or moderate injury.
	CAUTION:	(Without Safety Alert Symbol) Indicates a situation that may result in property damage.



⚠ WARNING: To ensure safety and reliability, all repairs should be performed by a qualified service technician at an Authorized Service Center.

	⚠ WARNING: The operation of any power tool can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before beginning power tool operation, always wear safety goggles or safety glasses with side shields and a full-face shield when needed. We recommend a Wide Vision Safety Mask for use over eyeglasses or standard safety glasses with side shields. Always use eye protection which is marked to comply with ANSI Z87.1
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SAVE THESE INSTRUCTIONS

Some of these following symbols may be used on this tool. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the tool better and more safely.

SYMBOL	NAME	DESIGNATION/EXPLANATION
V	Volts	Voltage
A	Amperes	Current
Hz	Hertz	Frequency (cycles per second)
W	Watt	Power
min	Minutes	Time
~	Alternating Current	Type of current
≡	Direct Current	Type or a characteristic of current
n_0	No Load Speed	Rotational speed, at no load
	Class II Construction	Double-insulated construction
.../min	Per Minute	Revolutions, strokes, surface speed, orbits etc., per minute

	Wet Conditions Alert	Do not expose to rain or use in damp locations.
	Read The Operator's Manual	To reduce the risk of injury, user must read operator's manual.
	Eye Protection	Always wear safety goggles or safety glasses with side shields, or a full face shield when operating this product.
	Safety Alert	Precautions that involve your safety.
	No Hands Symbol	Failure to keep your hands away from the blade will result in serious personal injury.
	No Hands Symbol	Failure to keep your hands away from the blade will result in serious personal injury.
	No Hands Symbol	Failure to keep your hands away from the blade will result in serious personal injury.
	No Hands Symbol	Failure to keep your hands away from the blade will result in serious personal injury.
	Hot Surface	To reduce the risk of injury or damage, avoid contact with any hot surface.

SAFETY INSTRUCTIONS

GENRAL SAFETY RULES

⚠️WARNING! Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term power tool in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

WORK AREA SAFETY

- ✓ **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- ✓ **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
- ✓ **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

ELECTRICAL SAFETY

- ✓ **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- ✓ **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- ✓ **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- ✓ **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- ✓ **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- ✓ **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

PERSONAL SAFETY

- ✓ **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- ✓ **Use personal protective equipment. Always wear eye protection.**

Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

- ✓ **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and / or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
- ✓ **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- ✓ **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- ✓ **Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewelry or long hair can be caught in moving parts.
- ✓ **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of these devices can reduce dust-related hazards.

POWER TOOL USE AND CARE

- ✓ **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and more safely at the rate for which it was designed.
- ✓ **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- ✓ **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- ✓ **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
- ✓ **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.

- ✓ **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- ✓ **Use the power tool, accessories, tool bits etc., in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

BATTERY TOOL USE AND CARE

- ✓ **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- ✓ **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
- ✓ **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects that can make a connection from one terminal to another.** Shorting the battery terminals together may cause burns or a fire.
- ✓ **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** Liquid ejected from the battery may cause irritation or burns.


SERVICE

- ✓ **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

SPECIFIC SAFETY INSTRUCTIONS FOR BAND SAW

- ✓ **Use battery only with charger listed.**


Battery pack	Charger
252-8024 252-8028 252-8032	252-8036

 **DANCER!** Keep hands away from cutting area and blade. Keep your second hand on the auxiliary handle or motor housing. If both hands are holding the saw, the blade cannot cut them.


 **DANGER!** Blades coast after saw is switched off.

- ✓ **Hold tool** by insulated gripping surfaces (handles) when performing an operation where the cutting tool may contact hidden wiring or its own cord. Contact with a “live” wire will make the exposed metal parts of the tool “live” and shock the operator.
- ✓ **Cutting workpieces covered with oil can cause the blade to come off unexpectedly. Wipe off all excess oil from workpieces before cutting.**
- ✓ **Keep** your body positioned to either side of the saw blade, but not in line with the saw blade.
- ✓ **Do not** touch the blade or the workpiece immediately after operation; they may be extremely hot and could burn your skin.
- ✓ **Do not** cut an oversized workpiece.
- ✓ **Check** for the proper clearance under the workpiece before cutting so that the blade will not strike the workbench or material under the workpiece.
- ✓ **Make sure** the blade is not contacting the workpiece before reaching full speed.
- ✓ **Secure material before cutting.** Never hold a workpiece in your hand or legs. Small or thin material may flex or vibrate with the blade, causing loss of control.
- ✓ **Never** reach into the cutting path of the blade.

SAFETY RULES FOR CHARGER

 **WARNING!** Read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious personal injury.

- ✓ Before using the battery charger, read all instructions and cautionary markings in this manual and on the battery charger, the battery, and the product using the battery to prevent misuse of the products and possible injury or damage.

 **CAUTION!** To reduce the risk of electric shock or damage to the charger and battery, charge only these rechargeable batteries specifically designated on your charger’s label. Other types of batteries may burst, causing personal injury or damage.

- ✓ Do not use the charger outdoors or expose it to wet or damp conditions.

Water entering the charger will increase the risk of electric shock.

- ✓ Use of an attachment not recommended or sold by the battery-charger manufacturer may result in a risk of fire, electric shock or injury to persons.
- ✓ Do not abuse the cord or charger. Never use the cord to carry the charger. Do not pull the charger cord to disconnect the plug from receptacle. Damage to the cord or charger could occur and create an electric shock hazard. Replace damaged cords immediately.
- ✓ Make sure that the cord is located so that it will not be stepped on, tripped over, come in contact with sharp edges or moving parts, or otherwise be subjected to damage or stress. This will reduce the risk of accidental falls, which could cause injury and damage to the cord, which could then result in electric shock.
- ✓ Keep the cord and charger from heat to prevent damage to the housing or internal parts.
- ✓ Do not allow gasoline, oils, petroleum-based products, etc. to come in contact with plastic parts. These materials contain chemicals that can damage, weaken, or destroy plastic.
- ✓ An extension cord should not be used unless absolutely necessary. Use of an improper extension cord could result in a risk of fire and electric shock. If an extension cord must be used, make sure that:

The pins on plug of extension cord are the same number, size and shape as those of the plug on charger.

The cord is properly wired and in good electrical condition

The size is large enough for AC ampere rating of charger as specified below:

The Cord Length (Feet)	25'	50'	100'
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Cord Size (AWG)	16	16	16
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NOTE: AWG = American Wire Gauge

cause shorting and electric shock. If damaged, have the charger repaired or replaced by an authorized service technician at an authorized Service Center.

- ✓ Do not operate the charger if it has received a sharp blow, been dropped, or has otherwise been damaged in any way. Take it to an authorized service technician at an authorized Service Center for an electrical check to determine if the charger is in good working order.
- ✓ Do not disassemble the charger. Take it to an authorized service

technician at a Service Center when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.

- ✓ Unplug the charger from the electrical outlet before attempting any maintenance or cleaning to reduce the risk of electric shock.
- ✓ Disconnect charger from the power supply when not in use. This will reduce the risk of electric shock or damage to the charger if metal items should fall into the opening. It will also help prevent damage to the charger during a power surge.
- ✓ Risk of electric shock. Do not touch the uninsulated portion of output connector or uninsulated battery terminal.
- ✓ Save these instructions. Refer to them frequently and use them to instruct others who may use this tool. If you lend this tool to someone else, also lend these instructions to them to prevent misuse of the product and possible injury

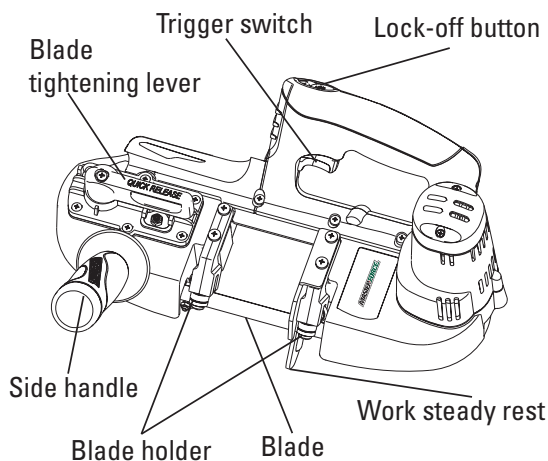
DESCRIPTION

KNOW YOUR BAND SAW (Fig. 1)


Before attempting to use this cordless band saw, become familiar with all of its operating features and safety requirements. For optimum performance and safety, read the following operating instructions carefully before using the saw.

⚠ WARNING! Do not allow familiarity with your band saw to make you careless. Remember that a careless fraction of a second is sufficient to inflict severe injury.


Fig. 1





SPECIFICATIONS	
Motor	18 Volt DC
No Load Blade Speed	550FPM
Blade dimension	28-13/16" Length
	1/2" Width
	.020" Thickness
Cutting capacity	Round piece Dia. 2 1/2" Or Rectangle piece 2 1/2" x 2 1/2"
Saw Weight (with battery)	7LBs 11OZ
Battery Type	Lithium-Ion
Battery Voltage	18 Volt DC
Charger Input	120-Volts, 60 Hz AC only

 **WARNING!** The safe use of this product requires an understanding of the information on the tool and in this operator's manual, as well as knowledge of the project you are attempting. Before use of this product, familiarize yourself with all operating features and safety rules.

ASSEMBLY

 **WARNING!** If any part is broken or missing, do not attempt to attach the battery or operate the saw until the broken or missing parts are replaced. Failure to do so could result in possible serious injury.

 **WARNING!** Do not attempt to modify this saw or create accessories not recommended for use with this saw. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious injury.

 **WARNING!** To prevent accidental starting that could cause serious personal injury, always remove the battery pack from the saw when assembling parts.

UNPACKING

This product has been shipped completely assembled.

- ✓ Carefully remove the tool and any accessories from the box. Make sure that all items listed in the packing list are included.
- ✓ Inspect the tool carefully to make sure no breakage or damage occurred

during shipping.

- ✓ Do not discard the packing material until you have carefully inspected and satisfactorily operated the tool.

PACKING LIST

Portable band saw, Saw blade, Side handle and Operator's manual

OPERATION

TO ATTACH BATTERY PACK (Fig.2)

1. Lock the trigger switch in the "off" position
2. Align the raised portion on the battery pack with the grooves on the saw, and then attach the battery pack to the tool as shown.

NOTE: Make sure that the latch on the battery pack snaps into place and the battery pack is secured to the tool before beginning operation.

⚠ CAUTION! when placing battery pack on the tool, be sure that the raised rib on battery pack aligns with the groove on the saw and the latches snap into place properly. Improper assembly of the battery pack can cause damage to internal components.

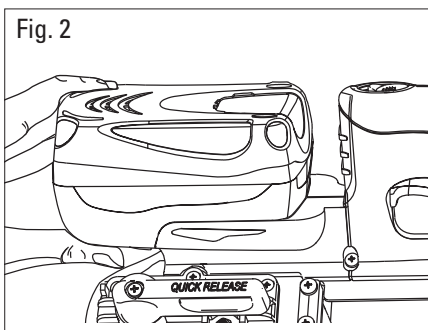


Fig. 2

TO DETACH BATTERY PACK (Fig. 2)

1. Lock the trigger switch in the "off" position.
2. Depress the battery release button located on the battery pack to release battery pack.
3. Pull the battery pack out and remove it from the tool.

TRIGGER SWITCH (Fig. 3)

To turn the tool ON, push the lock-off button and depress the trigger switch.

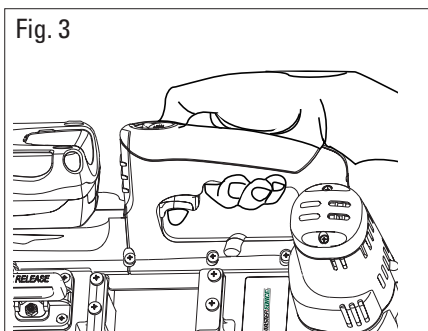


Fig. 3

To turn the tool OFF, release the switch trigger.

INSTALLING A SAW BLADE (FIG.4-6)

⚠ WARNING! To prevent personal injury, always remove the battery pack from the tool before installing or removing the saw blade!

1. Detach the battery pack from the saw.
2. Detach the side handle.
3. Turn the blade tightening lever counter clockwise 180°.
4. Making sure that the teeth on the left side of the tool point towards the rear of the tool.
5. Position the blade around the wheel and insert the other side of the blade into upper holder and the lower holder until the blade back contact the bottom of the upper and lower holder.
6. Hold the blade in place and turn the blade tightening lever counter-clockwise 180°, this places proper tension on the blade.
7. Start and stop the saw two or three time to make sure the blade runs properly on the wheel.

⚠ WARNING! Be sure that the blade is properly seated on the pulleys before starting the cut.

To remove the blade, follow the installation procedure in reverse.

⚠ WARNING! The blade may kick up as you released the blade tightening lever. Do not face to the blade or position the blade toward your body. Keep distance with it.

Fig. 4

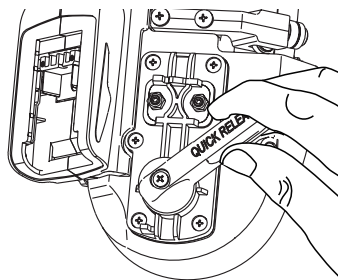


Fig. 5

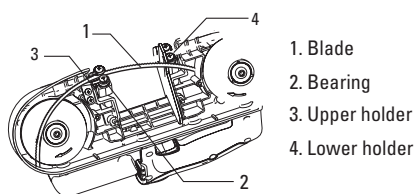
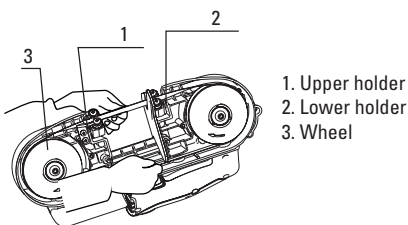


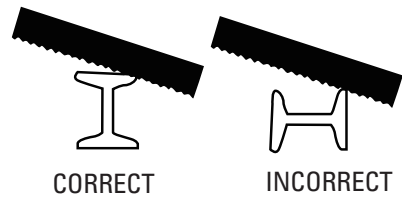
Fig. 6



TYPICAL APPLICATION (Fig.7)

1. Keep the blade off the workpiece until the motor has reached the selected speed.
2. Start cutting on a surface where the greatest number of teeth will be in contact with the workpiece at one time (Fig 7).
3. Place the work steady rest against the workpiece and lower the moving saw blade into the cut.
4. Do not bear down while cutting. The weight of the tool will supply adequate pressure for the fastest cutting.
5. When completing a cut, hold the tool firmly so it will not fall against the work-piece.

Fig. 7



MAINTENANCE

⚠ WARNING! Always wear safety goggles or safety glasses with side shields during power tool operations, or when blowing dust. If operation is dusty, also wear a dust mask.

It has been found that electric tools are subject to accelerated wear and possible premature failure when they are used to work on fiber glass boats and sports cars, wallboard, spackling compounds or plaster. The chips and grindings from these materials are highly abrasive to electrical tool parts, such as bearings, brushes, commutators, etc. Consequently, it is not recommended that this tool be used for extended work on any fiberglass material, wallboard, spackling compound or plaster. During any use on these materials, it is extremely important that the tool is cleaned frequently by blowing with an air jet.

⚠ WARNING! Do not at any time let brake fluid, gasoline, petroleum-based products, penetrating oils, etc. come in contact with plastic parts. Chemicals can damage, weaken or destroy plastic, which may result in serious personal injury.

Periodic maintenance allows for long life and trouble-free operation. A cleaning and maintenance schedule should be maintained. As a common preventive maintenance practice, follow these recommended steps:


- ✓ When work has been completed, clean the tool to allow smooth functioning


of the tool over time.

- ✓ Use clean damp cloths to wipe the tool.
- ✓ Check the state of all electrical cables.
- ✓ Keep the motor air openings free from oil, grease and sawdust or woodchips, and store tool in a dry place.
- ✓ Be certain that all moving parts are well lubricated, particularly after lengthy exposure to damp and/or dirty conditions.

LUBRICATION

All of the bearings in this tool are lubricated with a sufficient amount of high-grade lubricant for the life of the tool under normal operating conditions. Therefore, no further lubrication is required.


 **WARNING!** To ensure safety and reliability, all repairs should be performed by a qualified service technician at an authorized Service Center.

 **WARNING!** For your safety, always turn off the switch and remove the battery from the band saw before performing any maintenance or cleaning.

GENERAL MAINTENANCE

The tool may be cleaned most effectively with compressed dry air. Always wear safety goggles when cleaning tools with compressed air.

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, oil, grease, etc.

 **WARNING!** When servicing, use only identical MASTERFORCE replacement parts. Use of any other parts may create a hazard or cause product damage. To ensure safety and reliability, all repairs should be performed by a qualified service technician at an authorized Service Center.

WARRANTY

If, during normal use, this MASTERFORCE™ power tool breaks or fails due to a defect in material or workmanship within three years from the date of original purchase, simply bring this tool and its sales receipt back to your nearest Menards® retail store for a free equivalent replacement within those three years.

The warranty:

- (1) excludes expendable parts including but not limited to blades, bits, light bulbs, and/or batteries;
- (2) shall be void if this tool is used for commercial or/and rental purposes; and
- (3) does not cover any losses, injuries to persons/properties, or costs. This warranty does give you specific legal rights and you may have other rights, which vary from state to state.

***SAVE YOUR RECEIPTS.** Your warranty is void without them. For help, please call to our customer center, toll free number: 1-866-917-4374.